

*re-run*

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/669,817  
Source: OIPE  
Date Processed by STIC: 8/6/2003

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker>**

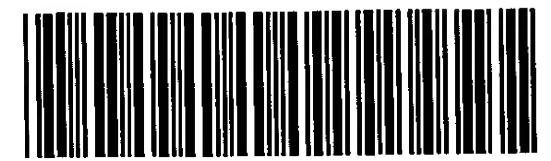
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202**

Revised 04/24/2003

*re-rev*

OIPE

**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/09/669,817

DATE: 08/06/2003  
TIME: 14:25:53

Input Set : E:\RiceJumbo1Reg.rpt  
Output Set: N:\CRF4\08062003\I669817.raw

1 <110> APPLICANT: Byrum, Joseph R.  
 2 Ruan, Yijun G.  
 3 Wallick, C. Kevin  
 5 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
 6 Plants  
 8 <130> FILE REFERENCE: 38-21(51469)B  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/669,817  
 C--> 10 <141> CURRENT FILING DATE: 2000-09-26  
 10 <150> PRIOR APPLICATION NUMBER: US 60/156,951  
 12 <151> PRIOR FILING DATE: 1999-09-30  
 14 <160> NUMBER OF SEQ ID NOS: 43701  
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 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Oryza sativa → *(220) insert this mandatory reference identifier whenever*  
 21 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001a01b1  
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 29 gggcgacaa gctgatcctg cgggggctgc gttccatgg caccacggg gtgaagccag 180  
 31 aggagaagaa gctggggccag aagttcgta tcgacgtcga cgcctggatg gatctcgccg 240  
 33 ccggccgggg ctccgacgac atctccgaca ccgtcagcta caccgaaatc tacaggatag 300  
 35 ccaagaatgt agtcgaaggc ccgtcgcaca atctgttggc atcgggtggct cagtcgattg 360  
 37 caaactcaac cctgctcaag ttccctcaga tttctgcagt tcgagtgaag gttgagaaac 420  
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 51 <222> LOCATION: (1)...(577)  
 52 <223> OTHER INFORMATION: unsure at all n locations  
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 61 attcgtgccc tccgatcaga ggcgaggcgg gagaagagat ggggctcacg ttcaccaagc 180  
 63 tgttcagccg gctttcgcc aagaaggaga tgcggatcct gatggtggt cttgacgcgg 240  
 65 ccggaaagac cacaatcctc tacaagctca agctcggcga gatcgtaacc accatcccc 300  
 67 ccatcggatt caatgttcaa accgtggagt acaagaacat cagttcacc gtctggatg 360  
 69 tgggggtca ggacaagatc aggcctctgt ggaggcatta tttccagaac acccagggtc 420  
*Does Not Comply  
Corrected Diskette Needed*  
*(221), (222),  
or (223)  
is shown*

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Input Set : E:\RiceJumbo1Reg.rpt  
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71 tcatcttgc tgtggacagc aatgataagg accgtgttgt cgaagccagt gatgagctcc 480  
**W--> 73 acaggatgct gaacgaggat gagctacgtg atgctgtgt gctngtcttg ctacaagcag** 540  
 75 atctgccaac gctatgatgc tgctggacac ttagatgc 577  
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 79 <211> LENGTH: 232  
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 91 gttcgcccccc cggggggccc gccatgggct agggtttgcg ggcgatggag tggacagcg 180  
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 109 accccttctt ccccttccca ccgcgcgtccct cttccctcctg ccccttccctc tccccacccg 180  
 111 ccgtttccctc cacctgcccc ttcttcgcccc tcgactcccc cttcgctgct gaccctttcc 240  
 113 atctccaccc cttccctcccc acgcccacca ctatctccct cttcgacccccc ttcctccctcc 300  
 115 acaccctcac cgaccgcgtc tcccaactcg agctcgccct cgccgcgcg gccccacacc 360  
 117 ccaggcccac cagcaggaag tgcacctatg tcaccgagtc caccggccgc atggtaagt 420  
 119 ggaccaccca ggacaaggct cgccgcggcg agagggtgct caagtggag gctgagctcg 480  
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 135 ccctagcgcg gggcgatgt cgaacacgag ggtgttcttc gacatgaccg tcggcgagc 120  
 137 tccggcgcccc cggatcgta tggagctgta cgccaaaggac gtgccgcgga cggcgagaa 180  
 139 ctccgcgcg ctctgcaccc gcgagaaggg cgtggcaag agcggcaagc cgctgcacta 240  
 141 caaggggagc accttccacc gcgtgatccc ggagttcatg tgccaggcg gcgacttcac 300  
 143 ccgcggcaac ggcacggag gggagtcgat ctacggcgag aagttcgccg acgaggtgtt 360  
 145 caagttcaag cacgacagcc cccgcacccgtt gtcacggcg aacgcccggc ccaacactaa 420  
 147 cgggtcccaag ttcttcatct gcaccgtgcc ctgcagctgg ctggacggga agcacgtcg 480  
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 153 <211> LENGTH: 500  
 154 <212> TYPE: DNA  
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Input Set : E:\RiceJumbo1Reg.rpt  
Output Set: N:\CRF4\08062003\I669817.raw

161	tcgctcgctt ctcctcctcc cccgtcttcc cttcgccgc gcccacccca cacacgcgac	60
163	catggcggca gcggcaggag gcgcagcgc ggcgctgtcg caggcggagc aggacgtgca	120
165	gatgatgctc gccgccgacg tccacctcg caccaagaac tgcaacttcc agatggagcg	180
167	ctacgtctac aagcgccgct ccgatggat ctacatcatc aacctcgca agacatggga	240
169	gaagctgcag ctcgcggca gggtgattgt tgccatttag aaccccccagg acatcattgt	300
171	ccagtcggcc cgccccatacg gccagcgcgc cgtcctcaag ttgcgcagt acactggcgc	360
173	gcacgcccatt gctggaaggc atacgcctgg tacatttacc aatcagctgc agacctgctt	420
175	cagcgagccc cgctcgctca tcctcaccga cccaaggacc gatcaccaggc caatcaagga	480
177	gtctgctctg ggaaacatcc	500
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193	aattggacag tcatcagggc catgc当地at gtgc当地tcc tctacattat tggtgc当地tc	180
195	ataccagcaa cgatgatagc cgtc当地tgc当地 tacattgc当地 acagtggc当地 ttctcagc当地tt	240
197	gctc当地caga aggagttcaa tttgaggaag ccccatctt tccattatga tttgcttctc	300
199	ctgggttcc tgc当地attat gtgtggc当地tcc attggatcc ctccggc当地aa tggtgtc当地tatt	360
201	ccacagtctc caatgc当地atc gaagagtttgc gctactctca aacatcaact actccgtaac	420
203	cgactagtag ccacagccc当地 acaaaggcatg agccagaatg cgag	464
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217	gtctccctca ccggcggttgc tgttcgtgag tgtgagagtg ttccctggct gagccaaacat	120
219	cgaagttagc aactccatct ccaagggtct ctggatggcc accctcagcc ccaccccgct	180
221	gcccaactgg aacaggatgc ggatctcggt gaacaccatc acgc当地aacc ggc当地aaatgc	240
223	gctc当地ggc当地 ctgcttgc当地 cactgc当地aa cacgtactac gtc当地acgacg aggtggtgc当地	300
225	gatcagctc aacatggaca gccgc当地tca cgccggc当地acg ctgaacgccc当地 tcaactc当地tc	360
227	cgacgctgaa ccagtagtactaa tttgatttccatc tccacctgac tgacattgtct caaaggatggag	420
229	caacaagact tttccatcgat gatgaa	446
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245	agtcatgaca gataatgtat tggatgtttt gggaaatggata agctctttat gttccaccac	180
247	caaaggatgc aggtatcaga ttgttttgc tgggtgtta aaaaatcgatc cgtgtttcag	240
249	tttggttttt aatcgaaagg cttacggatc ctgacttttgc tacattgtatc ctc当地ccacag	300
251	atgttgaagt attgacttgtt cttgggc	327

**RAW SEQUENCE LISTING**  
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Input Set : E:\RiceJumbo1Reg.rpt  
Output Set: N:\CRF4\08062003\I669817.raw

254 <210> SEQ ID NO: 10  
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 265 ctcggcgtct ggcgtgtgcc gtcgtctga tcccgccgg cgccaagaac ggccgtgggt 120  
 267 ggcgggtggc ggcggccggc ggccgacacg atacacgagc tcctgcggac gcacgggctg 180  
 269 ccgggggggc tgctgcccg aggggtggag tcgtacagcc tcgacgaggc gaacgggctg 240  
 271 ctggaggcgc ggctgtcgcc gccgtgtac gccaagtacg acgacggcga cttggccttc 300  
 273 ttgcacaccg tggtgccggg caacctcagc ttccggccgc tccgcggcgt ggagggcctg 360  
 275 tccaggagg agcttttgt gtggctcccc gtcaaggca tcggcgaacgc cgaccgggc 420  
 277 tccggcgaca ttctcttta catcggtac acccacaa 458  
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 281 <211> LENGTH: 536  
 282 <212> TYPE: DNA  
 283 <213> ORGANISM: Oryza sativa *same*  
 285 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001b09b1  
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 293 aggccgttt caacagcatg ctgcccacc ggcacaactc gcagtccccg gcgaggggct 180  
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 297 gccgcagcgc cgagctcatc cggcgggagc tcgcccctt cttcggccag acctccacg 300  
 299 agaccaccgg tggAACGAGG ggttagtttg accagttca gtgggttac tgcttcaaag 360  
 301 aggagataaa caaggcgact tctccaccct actatggacg tggcccaatt caattgacag 420  
 303 ggcaatcgaa ctaccaagca gcccggaaacg cgctgggct ggacctgggt ggcaacccag 480  
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 321 tgacaatgtt ccatggacgc ggtggactt tcccaagagg cggaggtccc agtcatctt 180  
 323 ccatcttgc tcaagccacca gacacattcc atggatctt ccgggtcaact gtccagggtg 240  
 325 aagtcatgtt gcaagtccctt ggtgaggagc acctttttt caggacactg cagcgttca 300  
 327 cgctgcccc tctggagcat ggcacatc caccaattgc gccgaaacca gaatggcgtg 360  
 329 ctctgcttgc tgagatggct gtgggtggcta caaaggaata ccggtccatg cggtggccagg 420  
 331 aaccacgctt tgtcgagttt ttccggcttgc caacaccaga gatggagttt ggcaggatga 480  
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 337 <211> LENGTH: 486  
 338 <212> TYPE: DNA  
 339 <213> ORGANISM: Oryza sativa *same*  
 341 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001c01b1

**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/09/669,817

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Input Set : E:\RiceJumbo1Reg.rpt  
Output Set: N:\CRF4\08062003\I669817.raw

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 349 cctataaaaac atattgaagc acatttgcct gttcgagtga atgagcagag actaagtaac 180  
 351 ttgctgcaat ccttattatgt tggtgcttgt gttggagcta tgccagtcata caagatgata 240  
 353 ccgacatcggttcctctgggg ttactttgct tatatggcca ttgacagtct acctggcaac 300  
 355 cagtttggg aaagaataag acttatattc atccccatcaa gccgacgcta caaggtttg 360  
 357 gaggggtcccc atgcgtctt catggagtca gtgccttcaa aaacaattac tgtctttacg 420  
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 365 <211> LENGTH: 368  
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 372 <223> OTHER INFORMATION: unsure at all n locations  
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 381 tatttcactc catgaagttt caatcaacga gcatgcagct agctagatag ttttaaaaaaa 180  
 383 tagcataaat aattttgatg atatagatta ttctcagtgg tggagccagg ataaaattac 240  
 385 agtgggggct cctcagcctt ttgggccttc taaccatctc agacaaagtc tattttagcc 300  
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 393 <211> LENGTH: 497  
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 397 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001c05b1  
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 405 caccatgcgc aagtccggc cgaagccaa gcccgcgcg tcggggagcc cgtggtaacgg 180  
 407 cgccgaccgc gtgctctacc tcggcccgt ctccggcgag ccgcccagct acctgaccgg 240  
 409 cgagttcccc ggcgactacg ggtggacac cgcggggctc tccgccgacc cggagacgtt 300  
 411 cgccaagaac cgggagctgg aggtgatcca ctccaggtgg gcgatgtcg gcgctgggg 360  
 413 ctgcgtttc ccggagctcc tcgcccgtcaa cggcgtaag ttccggcgagg cagagtggtt 420  
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 423 <213> ORGANISM: Oryza sativa  
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 429 cataatcctg ttccaaatcc aaatgcaagc cctctagaag catatagaga cttgacaatg 60

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:14; N Pos. 342  
Seq#:21; N Pos. 517  
Seq#:28; N Pos. 531  
Seq#:34; N Pos. 470  
Seq#:47; N Pos. 526  
Seq#:53; N Pos. 493  
Seq#:60; N Pos. 325  
Seq#:62; N Pos. 553  
Seq#:77; N Pos. 409  
Seq#:80; N Pos. 464  
Seq#:89; N Pos. 485  
Seq#:105; N Pos. 488  
Seq#:116; N Pos. 436  
Seq#:148; N Pos. 428  
Seq#:175; N Pos. 409  
Seq#:176; N Pos. 503  
Seq#:197; N Pos. 444,449  
Seq#:202; N Pos. 243  
Seq#:204; N Pos. 387  
Seq#:206; N Pos. 241  
Seq#:223; N Pos. 447  
Seq#:225; N Pos. 412  
Seq#:230; N Pos. 276  
Seq#:233; N Pos. 271  
Seq#:257; N Pos. 330  
Seq#:259; N Pos. 85  
Seq#:268; N Pos. 266  
Seq#:301; N Pos. 113  
Seq#:309; N Pos. 207,208  
Seq#:322; N Pos. 399  
Seq#:365; N Pos. 494,513  
Seq#:367; N Pos. 515  
Seq#:379; N Pos. 502  
Seq#:387; N Pos. 547  
Seq#:418; N Pos. 494  
Seq#:421; N Pos. 409  
Seq#:428; N Pos. 166  
Seq#:431; N Pos. 482  
Seq#:433; N Pos. 474  
Seq#:434; N Pos. 434  
Seq#:437; N Pos. 480  
Seq#:450; N Pos. 484  
Seq#:453; N Pos. 474

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TIME: 14:25:54

Input Set : E:\RiceJumbo1Reg.rpt  
Output Set: N:\CRF4\08062003\I669817.raw

Seq#:471; N Pos. 245  
Seq#:474; N Pos. 469  
Seq#:482; N Pos. 435  
Seq#:512; N Pos. 4  
Seq#:543; N Pos. 5  
Seq#:556; N Pos. 190,191  
Seq#:563; N Pos. 352,353,497

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/09/669,817

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480  
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:300  
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:480  
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:480  
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:420  
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:480  
L:1445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:480  
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:300  
L:1697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:540  
L:2105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:360  
L:2189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:420  
L:2431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:480  
L:2827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:480  
L:3083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:420  
L:3807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:420  
L:4489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:360  
L:4523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:480  
L:5043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:420  
L:5165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:240  
L:5223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:360  
L:5269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:240  
L:5695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:420  
L:5747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225 after pos.:360  
L:5873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230 after pos.:240  
L:5943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:240  
L:6461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:300  
L:6505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259 after pos.:60  
L:6699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:268 after pos.:240  
L:7311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:60  
L:7477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309 after pos.:180  
L:7777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:360  
L:8785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:480  
L:8849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:480  
L:9161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:379 after pos.:480  
L:9393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387 after pos.:540  
L:10227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418 after pos.:480  
L:10307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421 after pos.:360  
L:10491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:428 after pos.:120  
L:10591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:431 after pos.:480  
L:10649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433 after pos.:420  
L:10681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:434 after pos.:420  
L:10759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:437 after pos.:420  
L:11111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:450 after pos.:480  
L:11193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453 after pos.:420  
L:11659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:471 after pos.:240  
L:11743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:474 after pos.:420

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L:11949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:482 after pos.:420  
L:12717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:512 after pos.:0  
L:13523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:543 after pos.:0  
L:13881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:556 after pos.:180